

WHAT IS CLAIMED IS:

1. A printing apparatus comprising a main body, a print head replaceable with respect to the main body, and a cable for electrically connecting the main body and the print head, wherein a signal from the main body is transferred to the print head, the printing apparatus comprising:

an electrical connecting portion formed at an end of the cable;

a plurality of contact points formed at the electrical connecting portion, each in a form of a hollow projection so as to correspond to a circuit portion of the print head and having a hole formed at an apex of the projection;

a fixing portion for fixing the electrical connecting portion to the main body; and

an elastic member interposed between the electrical connecting portion and the fixing portion and having a plurality of protruding portions corresponding to the plurality of contact points,

wherein the elastic member presses the electrical connecting portion so that the plurality of contact points are in line contact with the circuit portion of the print head when the print head is mounted in the main body.

2. The printing apparatus of claim 1, wherein the hole formed at the apex of each of the contact points is round-processed.

3. The printing apparatus of claim 2, wherein each of the plurality of contact points are a dome-shaped hollow projection.

4. A printing apparatus comprising a main body, a print head replaceable with respect to the main body, and a cable for electrically connecting the main body and the print

head, wherein a signal from the main body is transferred to the print head, the printing apparatus comprising:

an electrical connecting portion formed at an end of the cable;

a plurality of contact points formed at the electrical connecting portion, each in a form of a hollow projection so as to correspond to a circuit portion of the print head and having a hole form at an apex of the projection;

a fixing portion for fixing the electrical connecting portion to the main body; and

an elastic member interposed between the electrical connecting portion and the fixing portion and having a plurality of protruding portions inserted into the holes formed at the plurality of contact points,

wherein the elastic member presses the electrical connecting portion so that the plurality of contact points are in line contact with the circuit portion of the print head when the print head is mounted in the main body.

5. The printing apparatus of claim 4, wherein the hole formed at the apex of each of the contact points is round-processed.

6. The printing apparatus of claim 5, wherein each of the plurality of contact points are a dome-shaped hollow projection.

7. The printing apparatus of claim 6, wherein the protruding portion of the elastic member is in a form of a cone, and a space is formed between an apex of the cone and the circuit portion of the print head when the apex of the cone is inserted into the hole of the dome.

8. An electronic device comprising a main body, a replaceable component which is replaceable with respect to the main body, and a cable for electrically connecting the main body and the replaceable component, wherein a signal from the main body is transferred to the replaceable component, the electronic device comprising:

an electrical connecting portion formed at an end of the cable;

a plurality of contact points formed at the electrical connecting portion, each in a form of a hollow projection so as to correspond to a circuit portion of the replaceable component and having a hole form at an apex of the projection;

a fixing portion for fixing the electrical connecting portion to the main body; and

an elastic member interposed between the electrical connecting portion and the fixing portion and having a plurality of protruding portions corresponding to the plurality of contact points,

wherein the elastic member presses the electrical connecting portion so that the plurality of contact points are in line contact with the circuit portion of the replaceable component when the replaceable component is mounted in the main body.

9. The electronic device of claim 8, wherein the hole formed at the apex of each of the contact points is round-processed.

10. The electronic device of claim 9, wherein each of the plurality of contact points are a dome-shaped hollow projection.

11. An electronic device comprising a main body, a replaceable component which is replaceable with respect to the main body, and a cable for electrically connecting the

main body and the replaceable component, wherein a signal from the main body is transferred to the replaceable component, the electronic device comprising:

an electrical connecting portion formed at an end of the cable;

a plurality of contact points formed at the electrical connecting portion, each in a form of a hollow projection so as to correspond to a circuit portion of the replaceable component and having a hole form at an apex of the projection;

a fixing portion for fixing the electrical connecting portion to the main body; and

an elastic member interposed between the electrical connecting portion and the fixing portion and having a plurality of protruding portions inserted into the holes formed at the plurality of contact points,

wherein the elastic member presses the electrical connecting portion so that the plurality of contact points are in line contact with the circuit portion of the replaceable component when the replaceable component is mounted in the main body.

12. The electronic device of claim 11, wherein the hole formed at the apex of each of the contact points is round-processed.

13. The electronic device of claim 12, wherein each of the plurality of contact points are a dome-shaped hollow projection.

14. The electronic device of claim 13, wherein the protruding portion of the elastic member is in a form of a cone, and a space is formed between an apex of the cone and the circuit portion of the replaceable component when the apex of the cone is inserted into the hole of the dome.